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Application of: Matsuyama, et al.

Group Art Unit: 1635

Application No.: 09/913,521

Examiner: Angell, Jon E

Filed: August 13, 2001

Attorney Docket No.: 44342.014000

For: CHAIN-SHORTENED
POLYNUCLEOTIDE AND METHOD FOR
PREPARATION THEREOF

RESPONSE TO RESTRICTION REQUIREMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the USPTO Official Action mailed on February 13, 2002,
please amend the above-identified application as follows:

In the Claims:

Claims 1 and 8, as indicated:

1. (amended) A chain-shortened polynucleotide or salt thereof,
comprising phosphodiester bonds, wherein [up] from about 0.1 percent to about 3
percent of the phosphodiester bonds are 2'-5' phosphodiester bonds.

18. (amended) A composition comprising a complex formed from a carrier
effective for introducing a medicament into a cell and a chain-shortened polynucleotide
or salt thereof as an essential ingredient, wherein the chain-shortened polynucleotide or
salt thereof comprises phosphodiester bonds, such that [up] from 0.1 percent to about 3
percent of the phosphodiester bonds are 2'-5' phosphodiester bonds.

Please add the following new claims:

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20. (new) A method for preparing a polynucleotide or salt thereof in which
the proportion of a 2'-5' phosphodiester bond is up to about 3% based on the total
phosphodiester bonds and the average chain length is between 0.1 k bases and 1 k